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application No. 196,716 - Ludwig Institute for Cancer
Research) profiles into the pUC 18 vector. Reverse
transcription of tissue mRNA and cDNA amplification were
performed under low stringency conditions."
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484 CGGGGAGCGGAGCGCGGTGCTCACTGCTAGTCGAGACTACCTTGAGT 435
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334	CGAAAAATAAAGAAAGAAGATGATTAAACCAAGAAACACCTCTACAGC	285
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151	ArgProArgArgGlnArgThrSerGluSerArgAspLeuCysHisMetal	167
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DEFINITION	UI-R-Cl-1c-d-10-0-UI.r1 UI-R-Cl Rattus norvegicus c	EST 1
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	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae	
	Rattus.	
REFERENCE	1 (bases 1 to 538)	
AUTHORS	Bonaldo,M.F., Lennon,G. and Soares,M.B.	
TITLE	Normalization and subtraction: two approaches to fa	
	discovery	
JOURNAL	Genome Res. 6 (9), 791-806 (1996)	
MEDLINE	9704477	
COMMENT	Contact: Soares, MB	
	Program for Rat Gene Discovery and Mapping	
	University of Iowa	
	451 Eckstein Medical Research Building Iowa City, I	
	Tel: 319 335 8250	
	Fax: 319 335 9565	
	Email: msoares@blue.weeg.uiowa.edu	
	cDNA Library Preparation: M.B. Soares Lab Clone dis	
	clones will be available through Research Genetics	
	This clone is also available through the I.M.A.G.E.	
	LLNL (info@image.llnl.gov). IMAGE ID- 1792594	
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library is a subtracted library derived from the UI-R-C0  
library, which is a subtracted library derived from the  
UI-R-A1 and UI-R-E1 libraries. The UI-R-A1 library  
consisted of a mixture of individually tagged normalized  
libraries constructed from rat placenta, adult lung,  
brain, liver, kidney, heart, spleen, ovary, and muscle.  
The UI-R-E1 library consisted of a mixture of  
individually tagged normalized libraries constructed from  
8, 12 and 18-day embryo. The tag is a string of 3-5  
nucleotides present between the Not I site and the  
oligo-dT track which allows identification of the library  
of origin of a clone within the mixture. The subtracted  
library (UI-R-C1) was constructed as follows: PCR  
amplified cDNA inserts from UI-R-C0 clones from which 3'  
ESTs had been derived was used as a driver in a  
hybridization with the UI-R-C0 library in the form of  
single-stranded circles. The remaining single-stranded  
circles (subtracted library) was purified by  
hydroxyapatite column chromatography, converted to  
double-stranded circles and electroporated into DH10B  
bacteria (Life Technologies) to generate the UI-R-C1  
library. This procedure has been previously described  
(Bonaldo, Lennon and Soares, Genome Research 5: 791-806,  
1996)."

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ORIGIN

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Percent Similarity: 98.857 Percent Identity: 96.571

alignment\_block:  
US-09-513-365A-1 x BF523624/rev ..

Align seg 1/1 to reverse of: BF523624 from: 1 to: 538

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DEFINITION RC3-FN0143-260700-012-cl2 FN0143 Homo sapiens cDNA, mRNA sequence.  
ACCESSION BE839460  
VERSION BE839460.1 GI:10271838  
KEYWORDS EST.  
SOURCE human.  
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.  
REFERENCE 1 (bases 1 to 566)  
AUTHORS Dias Neto, E., Garcia Correa, R., Verjowski-Almeida, S., Briones, M.R.,  
Nagai, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F.,  
Goldman, G.H., Carvalho, A.F., Matsukuma, A., Baia, G.S., Simpson, D.H.,  
Brunstein, A., de Oliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare,  
M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J. and  
Simpson, A.J.  
TITLE Shotgun sequencing of the human transcriptome with ORF expressed  
sequence tags  
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)  
MEDLINE 20202663  
COMMENT Contact: Simpson A.J.G.  
Laboratory of Cancer Genetics  
Ludwig Institute for Cancer Research  
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,  
Brazil  
Tel: +55-11-2704922  
Fax: +55-11-2707001  
Email: asimpson@ludwig.org.br  
This sequence was derived from the FAPESP/LICR Human Cancer Genome  
Project. This entry can be seen in the following URL  
(http://www.ludwig.org.br/scripts/gethtml2.pl?cl=cl2-RC3-FN0143-260  
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/dev\_stage="Adult"  
/notes="Organ: prostate normal; Vector: puc18; Site\_1: SmaI  
; Site\_2: SmaI; A mini-library was made by cloning  
products derived from ORESTES PCR (U.S. Letters Patent  
application No. 196,716 - Ludwig Institute for Cancer  
Research) profiles into the puc 18 vector. Reverse  
transcription of tissue mRNA and cDNA amplification were  
performed under low stringency conditions."

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	gb_pr9	HSING2S2	+ 1197.00	1574.97	1.7e-79	974	! AF062478 Homo sapiens p33 (ING2
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	gb_r01	AF177755	+ 874.50	1121.22	2.5e-55	2817	! AF177755 Mus musculus INGI pr
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 ACCESSION AF053537  
 VERSION AF053537.1 GI:9992837

KEYWORDS

human.

SOURCE

ORGANISM Homo sapiens

6

1.

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
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 1 (bases 1 to 1080)  
 AUTHORS Nagashima,M., Hagiwara,K., Minter,A.R. and Harris,C.C.  
 TITLE Direct Submission  
 JOURNAL Submitted (12-MAR-1998) Laboratory of Human Carcinogenesis,  
 National Cancer Institute, 37 Convent Drive Bldg.37 Rm.2C01,  
 Bethesda, MD 20892, USA

FEATURES  
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alignment\_block:  
 US-09-513-365A-1 x AF053537

Align seg 1/1 to: AF053537 from: 1 to: 1080

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